



SPECIMENS
OF
New England Indian Relics
In the
GILBERT MUSEUM
At
AMHERST COLLEGE
1903



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MUSEUM OF FINE ARTS

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MUSEUM OF FINE ARTS
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M. F. A.



Geo H Gilbert
1844

Explanatory.

The Gilbert Museum of Indian Relics in Amherst College is a collection of bone, stone and pottery implements supposed to be those in use by the American Indians who lived in New England. It was started by the gift to the college in 1857 of 1000 specimens collected in the Connecticut Valley by the writer, and has since been increased by the addition of specimens and cash purchases till the number is now nearly 3000. The cash gifts for purchase of specimens has been nearly \$3,500, of which \$2,255 has been given by the late Hon. George H. Gilbert of Ware, Mass., and other members of his family. There have also been other liberal contributions in money, and many persons have given specimens.

Every specimen has upon it a number in oil paint, which refers to a manuscript catalog, in which is recorded the locality and often the shape, structure, and composition of the specimen, and an exact outline and other descriptions which help to give knowledge of the article.

By the liberality of Mr. John W. Ladd of Portland, Oregon, we are now able to secure through photography and half-tone pictures, representations in the best style, of a few of the best and most instructive specimens of the Museum, as well as the odd and queer ones, of which the use cannot be determined at present. And we can only imperfectly group these as yet, for uncertainty as to the real use or service of some of them, and some of the more common relics such as celts, gouges and skinning tools have not been figured, as they are so well known.

In the subject-matter of this booklet, the first number is that on the specimen in the picture and enables one to get the aid of the picture in studying it. The second number refers to the large manuscript catalog in the College Library for something more extended than the short amount of matter in these sheets.

To give a better idea of the size of the specimens, the diameters are in most cases given; that is, length, breadth, and thickness in inches, and in case of vessels the capacity is often stated.

The interrogation point is introduced when the locality is unknown, or other facts are uncertain.

These pages are prepared, not as a scientific or exhaustive paper upon any branch of the whole subject, but only as furnishing some materials and facts for those capable of and ready to study the whole subject. And while a few groupings have been made it is only in a hope to approximate to the real character of the articles, admitting that the idea of classification is only imperfectly foreshadowed.

But we refer to the work of Mr. Warren K. Moorhead as a guide to the subject.

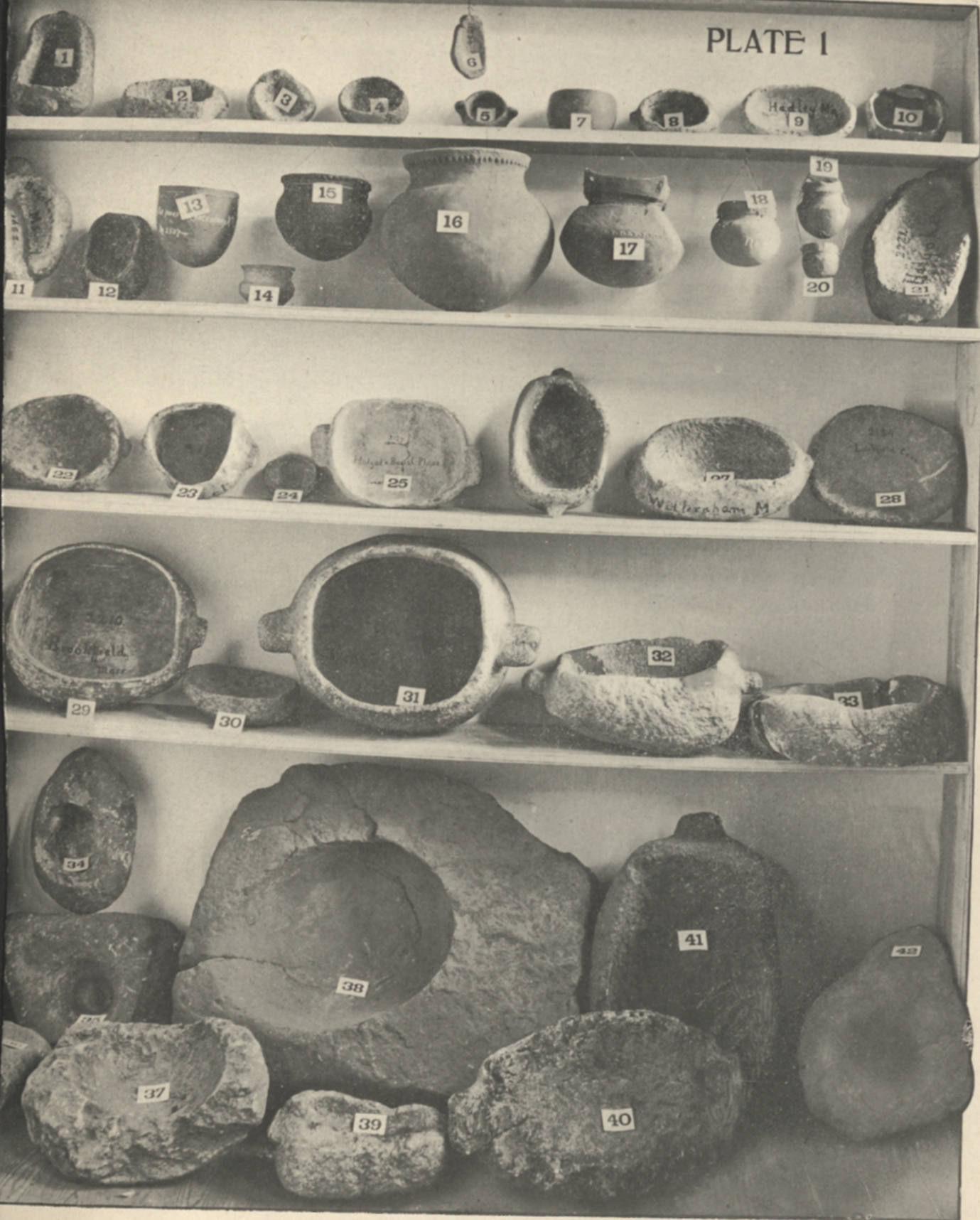
In fine the design of this brochure is to bring to Archaeological students the material for the study of early and historic man, as gathered from a local standpoint, which is essentially New England.

By the kindness of Mr. Grenville J. H. Gilbert of Ware, Mass., we are delighted to present the portrait of the Founder of this Museum.

November, 1903.

E. HITCHCOCK.

PLATE 1



Description of Plate I.

LIST OF POTTERY.

- No. 1. 2649, Soapstone Pot, two quarts capacity, Hadley, 10 x 6 in. in diameter, 3 in. deep.
- No. 2. 2053, Soapstone Pot, South Hadley, 8 x 5 x 3, one quart.
- No. 3. 2863, Soapstone Pot, Springfield, 5 x 4, 1½ deep, one quart.
- No. 4. 1319, Soapstone Pot, Turners Falls, 5 x 3½, 1 pint capacity.
- No. 5. 2780, Highly wrought Soapstone Pot with open handles, circular, 3½ x 2 deep, half-pint capacity, Longmeadow.
- No. 6. 1082, Soapstone dish, or spoon, 4½ x 2½ deep, capacity 2 tablespoons, Belchertown.
- No. 7. 2779, Soapstone bowl, circular, 5½ x 2, elaborately finished, Canterbury, Conn., from grave.
- No. 8. 1681, Soapstone Dish, 6 x 3½ x 3, 1 pint, Canton, Conn.
- No. 9. 2032, Oval Soapstone Pot, 8½ x 4½ x 2, Hadley.
- No. 10. 2138, Soapstone Pot, 6 x 4 x 3, 1 quart, Indian grave in Holyoke.
- No. 11. Rude Soapstone Pot, 12 x 6 x 2, Belchertown.
- No. 12. 2671, Soapstone Pot, Charlestown, N. H., 7 x 4 x 2, perhaps tinkered.
- No. 13. 2507, Cast of Earthen Pot, Canterbury, N. H., 6 x 5 x 4½. Original belongs to Dr. S. A. Greene, Boston.
- No. 14. 1644, Earthen Pot from Illinois, 3 x 3½.
- No. 15. 2778, Earthen Pot from Putnam, Conn., 6 x 6, 2 quarts capacity, the original.
- No. 16. 1704, Cast of the largest earthen pot at present known to have been found, 7½ x 10½, spherical, Bolton, Vt.
- No. 17. 1705, Cast of the most highly ornamented earthen pot so far discovered in New England, 8 x 9½, square top and spherical bowl, Colchester, Vt.
- No. 18. 2508, Cast of Earthen Pot from the Indian grave-yard in the home lot of Hon. George Sheldon, Deerfield, 5 x 4½, nearly a quart capacity.
- No. 19. Cast of Earthen Pot found in Revere, now in India Museum, Salem, Mass., 7 x 4½.
- No. 20. Cast of Earthen Pot found in Marblehead, 3 x 4.
- No. 21. 2221, Rude Soapstone Pot, Holyoke, 13 x 18 x 4.
- No. 22. 119, Soapstone Pot, remarkably thin walls and shallow, 11 x 7 x 3.
- No. 23. 211, Soapstone Pot, Hartford, Conn., 9 x 7 x 3½.
- No. 24. 2139, Steatite Pot of very fine grain, very thin walls, 4 x 4 x 2, Holyoke grave-yard.
- No. 25. 2137, Finely made Soapstone Pot, 12 x 9 x 3, Holyoke.
- No. 26. 1403, Soapstone Pot, Deerfield, 11 x 7 x 5.
- No. 28. 2134, Soapstone Pot, Litchfield, Conn., 11 x 9 x 2, very shallow and of fine quality of steatite.
- No. 29. 2210, Large and very fine Pot from Brookfield, 14 x 12 x 7, holds a pailful.
- No. 30. Soapstone Pot, shallow, Greenfield, 10 x 7 x 3, capacity 2 quarts.
- No. 31. 2289, Largest Soapstone Pot in the museum, South Hadley Falls, 20 x 13 x 7, more than a pailful capacity. Best one in existence?
- No. 32. 1684, Soapstone Pot, Simsbury, Conn., 17 x 12 x 7, capacity half a pailful.
- No. 33. Soapstone Pot, 15 x 12 x 4, containing 4 quarts.
- No. 34. 2856, Granite mortar, 12 x 9 x 3.
- No. 35. 2855, Stone Mortar, Putnam, Conn., 13 x 11 x 6, very smooth and circular cavity.
- No. 36. 2857, Chlorite Mortar or Pot, 8 x 8, Springfield.
- No. 37. 2858, Unfinished hard rock mortar, 17 x 12 x 4, Springfield.
- No. 38. 1685, Stone Mortar or Mill, of red sandstone, 15 x 13 x 6, largest in the collection, Greenfield.
- No. 39. 609, Rude Soapstone Pot, Amherst, 11 x 6 x 4.
- No. 40. 2859, Coarse and unfinished Soapstone Pot, Springfield, 21 x 13 x 4.
- No. 41. Coarse and unfinished Pot, 23 x 13 x 8, Springfield.
- No. 42. Rude stone mortar, 7 x 7, circular, Springfield.

TOMAHAWKS

UNKNOWN

PLATE II

GORGETS

PENDENTS

MACES

SCRAPERS

PLUMB STONES GROOVED STONES

TUBULAR IMPLEMENTS

POT MAKING TOOLS

PESTLES

PITTED STONES



Description of Plate II.

TOMAHAWKS.

- No. 1. 2051, 6 x 3 $\frac{1}{4}$, Shale.
No. 2. 160, 6 $\frac{1}{2}$ x 3 $\frac{1}{2}$, Hadley.
No. 3. 1115, 7 x 2 $\frac{3}{4}$, one of a large number found in a circle at Rockville, Conn.
No. 4. 2050, 5 x 2 $\frac{1}{2}$, Shale.
No. 5. 2773, 5 x 3, Chicopee.
No. 6. 00, 6 $\frac{1}{2}$ x 3.
No. 7. 00, 7 x 3 $\frac{1}{2}$.
No. 8. 951, 7 $\frac{1}{2}$ x 2 $\frac{1}{2}$, Dana.
No. 9. 617, 6 x 2, Dana.
No. 10. 1286, 6 x 2, Gill.
No. 11. 2099, 5 x 3.
No. 12. 281, 4 x 3, Talc, Amherst.
No. 13. 0000, 3 x 2, Amherst.

ORNAMENTAL STONES.

- No. 14. 2772, 4 x 3, Banner Stone, Springfield.
No. 15. 80, 4 x 3, Sienite, Deerfield.
No. 16. 2811, Crescentic shape, Dudley.
No. 17. 1518, 4 x 2, Talcose Slate, Easthampton.
No. 18. 958, 4 x $\frac{1}{2}$, Crescentic, Easthampton.
No. 19. 328, 5 x 1, Crescentic, Somers, Conn.
No. 20. 2351, Crescentic, sandstone, 4 x 1, Windsor, Conn.
No. 21. 1305, 7 x 1 diameter, Montague.
No. 22. 1755, Knife, 3 x 1 diameter.
No. 23. 2230, (?) 3 x 2 diameter, Yates Co., New York.
No. 24. 1212, 6 x 1 diameter, Ontario Co., New York.
No. 25. 2143, 6 x 1 diameter, Grave, Holyoke.
No. 26. 1749, 4 x 1 diameter, chlorite.
No. 27. (?), 2 $\frac{1}{2}$ x 1 diameter, Ithaca, N. Y.

GORGETS.

- No. 28. 1748, 6 x 2, (?)
No. 29. 1990, 5 x 3, (?)
No. 30. 1989, 4 x 2, (?)
No. 31. 1840, 6 x 2, Western New York.
No. 32. 1077, 6 x 3, Red Shale, Hartford, Conn.
No. 33. 2743, 4 x 2, Hatfield.
No. 34. 2282, 4 x 2, Soapstone, Pelham.
No. 35. 1988, 4 x 2, Conn.
No. 36. 1213, 5 x 2, Shale, Ontario Co., New York.
No. 37. 613, 3 holes, 4 x 3, Bridgeport, Conn.
No. 38. 1846, 4 x 2, Northern New York.
No. 39. 645, 4 x 2, Shutesbury.
No. 40. 2622, 5 x 2, Onondaga, N. Y.
No. 41. 2378, 6 x 2, Ashtabula, Ohio.
No. 42. 2323, 4 x 2, Farmington, Conn.
No. 43. 644, 4 x 2, Shutesbury.
No. 44. 1209, 5 x 2, Rensselaer, N. Y.
No. 45. 1993, 5 x 2, Windsor, Conn.
No. 46. 2359, 4 x 2, Stratham, N. H.
No. 47. 2642, 3 x 1, Springfield.

Description of Plate II continued.

- No. 48. 2741, 3 x 2, Springfield.
No. 49. 1995, 6 x 2, Windsor, Conn.
No. 50. 1512, 6 x 2, Windham, Vt.
No. 51. 175, 5 x 2, Hadley.
No. 52. 280, 6 x 2, Amherst.
No. 53. 1133, Curved gorget, 4 x 2, Hadley.
No. 54. 1309, 5 x 2, very weighty, Turners Falls.
No. 55. 1992, 2½ x 2, Windsor, Conn.
No. 56. 2336, 3½ x 1½,
No. 57. 2744, Circular, 2 x ½ thick, Hatfield.

PENDENTS.

- No. 58. 2675, 3 x 1, Georgia.
No. 59. 2790, 2 x 1, Agawam.
No. 60. 2792, 2 x 1½, Windsor, Conn.
No. 61. 2791, 1 x 1½, Agawam.
No. 62. 2794, 1 x 1½, Warehouse Point.
No. 63. 876, 5 x 1½, Easthampton.
No. 64. 2845, Circular 2 x ½ thick, South Deerfield.
No. 65. 2739, 2 x 1½, (Tinkered?)
No. 66. 2843, 2 x 1, Springfield.
No. 67. 2795, 1 x 1, Warehouse Point.
No. 68. 2844, 2 x 1, Putnam, Conn.
No. 69. 2808, 1 x 1, copper, Springfield.

SCRAPERS.

- No. 70. 2745, 6 x 2, West Springfield.
No. 71. 1072, 4 x 2, Ware.
No. 72. 2086, 4 x 2, (?)
No. 73. 2092, 3 x 2, (?)
No. 74. 2087, 5 x 2, (?)
No. 75. 2089, 6 x 2½, (?)
No. 76. 1305, 5 x 3, Montague.
No. 77. 237, 6 x 3, Killingly, Conn.
No. 78. 1057, 13 x 6, Largest in collection, Belchertown.
No. 79. 2325, 8 x 3, (with slit), Deerfield.
No. 80. 2091, 5 x 3, (?)
No. 81. 2324, 6 x 2, Red shale, Wethersfield, Conn.
No. 82. 2090, 5 x 2, (?)
No. 83. 2088, 4 x 2, (?)

TUBULAR IMPLEMENTS.

- No. 84. 1746, 11 x 1, Pennsylvania.
No. 85. 2140, 9 x 1, Holyoke.
No. 86. 2000, 7 x 1, Windsor, Conn.
No. 87. 1307, 6 x 1, Turners Falls.
No. 88. 2141, 6 x 1, Holyoke.
No. 89. 2885, 4 x 1, Thompsonville, Conn.
No. 90. 2786, 2 x 1½, Thompsonville, Conn.

MACES.

- No. 91. 2054, 6 x 5, Hadley.
No. 92. 1074, 4 x 3½, Unionville, Conn.

Description of Plate II continued.

- No. 93. 2057, 3 x 3, (?)
No. 94. 1208, 3 x 3, Yates Co., New York.
No. 95. 1075, 3 x 2, Bristol, Conn.
No. 96. 56, 2 x 1 1/2, (?)
No. 97. 1741, 6 x 2, Pennsylvania.
No. 98. 1623, 4 x 2, Connecticut Valley.
No. 99. 473, 5 x 2, (?)
No. 100. 2061, 4 x 1, Connecticut Valley.
No. 101. 2377, 3 x 1, Ohio.
No. 102. 2327, 4 x 2, Hartford, Conn.
No. 103. 2060, 3 x 2, (?)
No. 104. 1137, 3 x 1, Deerfield.
No. 105. 2059, 3 x 1 1/2, Hadley.
No. 106. 1740, 4 x 1 1/2, Pennsylvania.
No. 107. 000, 2 1/2 x 1 1/2, (?)

PLUMB IMPLEMENTS.

- No. 108. 2481, 6 x 4, South Hadley.
No. 109. 2598, 6 x 3 1/2, Northfield.
No. 110. 2332, 5 x 2, (?)
No. 111. 1081, 5 x 1, Belchertown.
No. 112. 1195, 4 x 1 1/2, Belchertown.
No. 113. 1196, 3 x 2, Double Rim, (?)
No. 114. 574, 3 x 1 1/2, Connecticut Valley.
No. 115. 1079, 3 x 2, Belchertown.
No. 116. 724, 3 x 1 1/2, Montague.
No. 117. 2599, 2 1/2 x 2, Northfield.
No. 118. 1080, 2 1/2 x 2, Belchertown.
No. 119. 2232, 2 x 1 1/2, Lincoln.
No. 120. 2221, 2 1/2 x 1 1/2, Rocky Hill, Conn.
No. 121. 1993, 2 1/2 x 1, (?)
No. 122. 2209, 3 x 1 1/2, Modern? (?)

POT MAKING TOOLS OF TRAP.

- No. 123. 2580. 4 x 2, Northfield.
No. 124. 1346, 5 1/2 x 2, Gill.
No. 125. 2577, 5 x 3, Northfield.
No. 126. 2574. 5 x 3, Northfield.
No. 127. 2362, 5 x 2, Belchertown.
No. 128. 2578. 6 x 3, (?)
No. 129. 2570, 7 x 3, (?)
No. 130. 000, 7 1/2 x 3 1/2, (?)
No. 131. 2789, Finely finished, 8 x 2 1/2, Portland, Ore.
No. 132. 2307, 10 x 3, Colchester, Conn.

GROOVED STONES, CLUB HEADS, OR SINKERS.

- No. 133. 2852, 3 1/2 x 2, Springfield.
No. 134. 1070, 2 x 2 1/2, Greenfield.
No. 135. 2784, 4 x 3, Springfield.
No. 136. 1873, 3 1/2 x 2 1/2, Cotuit Port.
No. 137. 1872, 4 x 3, Cotuit Port.
No. 138. 2597, 4 x 3, Northfield.

Description of Plate II continued.

- No. 139. 1983, $3 \times 2\frac{1}{2}$, Connecticut Valley.
No. 140. 2233, $2\frac{1}{2} \times 1\frac{1}{2}$, Lincoln.
No. 141. 1689, $3\frac{1}{2} \times 2$, (?)
No. 142. 1687, 4×2 , (?)
No. 143. 1686, 3×2 , (?)

PESTLES.

- No. 144. 1061, 5×2 , Montague.
No. 145. 00, 12×3 , (?)
No. 146. 2299, 11×2 , Deerfield.
No. 147. 101, $11 \times 3\frac{1}{2}$, Deerfield.
No. 148. 600, 10×3 , Granby, Conn.
No. 149. 1605, 10×2 , (?)
No. 150. 443, 9×2 , Medford.
No. 151. 00, $8\frac{1}{2} \times 1\frac{1}{2}$, (?)
No. 152. 1854, $7 \times 2\frac{1}{2}$, Moriches, L. I.
No. 153. 2853, 7×1 , Springfield.
No. 154. 2298, 29×3 , longest one in collection, Glastonbury, Conn.

PITTED STONES.

- No. 155. 2862, $12 \times 6 \times 4$, Putnam, Conn., over 20 depressions.
No. 156. 2600, 9×2 , Northfield.
No. 157. 1055, 5×3 , (?)
No. 158. 000, 3×3 , (?)
No. 159. 1156, 4×3 , Deerfield.
No. 160. 1163, 3×3 , Northampton.
No. 161. 2782, 4×3 , Chicopee.
No. 162. 1679, 3×3 , (?)
No. 163. 723, $3\frac{1}{2} \times 2\frac{1}{2}$, Montague.
No. 164. 1980, $6\frac{1}{2} \times 3$, (?)
No. 165. 696, $4 \times 2\frac{1}{2}$, Hadley.
No. 169. 000, $4 \times 3\frac{1}{2}$, (?)

PLATE III

CATLINITE PIPES

SPINDLE STONES

POTTERY PIPES

UNKNOWN

SPEAR HEADS

HOES

HOES

SPHERICAL STONES

MILL AND GRINDING STONES

HATCHETS

Description of Plate III.

CATLINITE PIPES.

- No. 1. 1607, Pipe of "Cut Nose," Sioux chief captured after the massacre in Minnesota in 1862, 29 x 3 1/2, with stem.
No. 2. 1634, Pipe, 12 1/2 x 3, far West.
No. 3. (?) Pipe, 6 x 3 1/2, Minnesota?
No. 4. 1050, Pipe, Troy, Wisconsin.
No. 5. 2413, Pipe, Sioux, parti-colored, Minnesota, 48 x 4, with stem.
No. 6. 2670, Pipe, Montana, 36 x 4 1/2, with stem.
No. 7. 1394, Pipe, Minnesota, 27 x 3, inlaid with lead stem.
No. 8. 2621, Pipe, Montana, 4 x 2.
No. 9. 1516, Black Hawk's Pipe, 4 x 3 1/2.
No. 10. 2620, Pipe, Montana, 7 x 3.
No. 11. 1542, Pipe, Minnesota, 4 x 2 1/2.
No. 12. 141, Pipe, Minnesota, 4 1/2 x 2 1/2.
No. 13. (?) Pipe, (?)

SPINDLE STONES.

- No. 14. 2224, Clay stone, circular, with center hole 2 in., Hadley.
No. 16. 2223, Decomposing stone, circular with center hole, 4 in., Amherst.
No. 17. 2069, Spindle Holder, hard stone, ovoidal, 2 x 1 1/2, Sterling.

STONE PIPES.

- No. 18. 2072, Chlorite Pipe, 2 1/4 x 2 1/2.
No. 19. 1656, Chlorite Pipe, 2 1/2 x 1 1/2.
No. 20. 1629, Stone Pipe, Minnesota, 3 1/2 x 1 1/2.
No. 21. 2334, Stone Pipe, Shelburne.
No. 22. 598, Stone Pipe? Wisconsin, 3 1/2 x 1.
No. 23. 615, Stone Pipe, Dana, 4 x 1.
No. 24. 2787, Soapstone Pipe, South Deerfield, 2 x 1 1/4.
No. 25. 1844, Stone Pipe, Northern New York, 2 x 1 1/4.
No. 27. 2762, Pottery Pipe, Hatfield, 1 1/2 x 1 1/4.
No. 28. 595, Soapstone Pipe, sculptured, Northern New York, 1 1/2 x 1 1/2.
No. 29. 2063, (?) 7 x 4, Connecticut?
No. 30. (?) (?)
No. 31. 1152, Ornamented Pipe, Farmington, Conn., 7 x 4.
No. 32. 2066, (?) Tubular Pipe, (?) 5 1/2 x 1 1/2.
No. 33. 2131, Pipe, Yates Co., New York, 4 1/2 x 2.
No. 34. 2085, Chlorite Pipe, (?) 3 x 1.
No. 35. 1149, Stone Pipe, Wilbraham, 3 1/2 x 1 1/2.
No. 36. 1845, Steatite Pipe, Franklin Co., New York, 2 1/2 x 2.
No. 37. 2069, Chlorite Pipe, (?) 5 1/4 x 2 1/2.
No. 38. 2229, Earthen Pipe, Yates Co., New York, 3 x 3.
No. 39. 1150, Clay Pipe, Oil Creek, Pa., 4 x 2 1/2.
No. 40. 1640, Earthen Pipe, Western New York, 7 1/2 x 3.
No. 41. 1151, (?) Hadley, 2 x 3.
No. 42. 2565, Earthen, 2 x 1 1/2.
No. 43. 1543, (?) Western New York, 2 1/2 x 1 1/2.
No. 44. 2519, (?) Western Virginia, 2 1/2 x 1 1/2.
No. 45. 1839, (?) Western New York, 2 1/2 x 2.

Description of Plate III continued.

UNKNOWN.

- No. 46. 2262, Quartz, (?) 5 x 3.
No. 47. 756, Slate Rock, Easthampton, 4 x 3.
No. 48. 1738, Sandstone, Lancaster Co., Pennsylvania, 4 x 1.
No. 49. 1869, Sandstone, Ohio, 4 x 1½.
No. 50. 1057, Celt with serrated edges Burlington, Conn., 4 x 2.
No. 51. 2054, Perforated Soapstone (rude), 1 x 1.
No. 52. 2614, Perforated Soapstone (rude), Pennsylvania, 5 x 3.
No. 53. 2855, Perforated Soapstone (rude), Putnam, Conn., 5 x 4.
No. 54. 2080, Perforated Soapstone, diamond shape, (?) 6 x 4.
No. 55. 2615, Perforated water worn pebble, (?) 2 x 2½.
No. 56. 2756, Perforated pebble, Charlestown, N. H., 3½ x 3 x 1.
No. 57. 2150, Massive chlorite ring, Deerfield, 4 x 2 with center 1½ in.
No. 58. 1637, Pebble with markings as if for making strings, Gill, 4 x 3 x 1.
No. 59. 1641, Nondescript soft rock, 3½ x 2 x 2.
No. 59.² 2220, Smooth clay stone, circular and artificially smoothed and found in a grave,
1½ in diameter, E. Hampton, Conn.
No. 60. 2499, Porphyritic cone with hollowed base, 2 x 1, (?)
No. 61. 151, Hematite cone, Tennessee, 2 x 1.
No. 62. 2899, Stone cone, with truncated base, Thompson, Conn., 1 x 1½.
No. 63. 2625, Broken cone of loose sandstone, Northfield, 1½ x 1.
No. 64. 2624, Four sided prism of sandstone, Northfield, 3 x 1, tapering near top.

SPEAR HEADS.

- No. 65. 2048, Shale, 8½ x 2.
No. 66. 1118, Flint, Pelham, 6 x 1½.
No. 67. 1120, Flint, Webster, 5½ x 2.
No. 68. (?) Flint, 4½ x 2.
No. 69. 1124, Flint, Barrington, 4½ x 2.
No. 70. 1122, Chalcedony, Binghamton, N. Y., 4½ x 1½.
No. 71. (?) Black Quartz, (?) 4½ x 1½.
No. 72. 2202, Grey Quartz, (?) 4½ x 1.
No. 73. (?) Black Quartz, (?) 4½ x 1½.
No. 74. 1052, Siliceous rock, Northampton, 4½ x 1½.
No. 75. 1128, Banded Quartz, Ware, 4 x 1¾.
No. 76. (?) Black Quartz, (?) 4 x 1¼.

HOES.

- No. 77. 2320, Trap, East Windsor, Conn., 4 x 3½.
No. 78. 1944, Trap, Deerfield, 4½ x 3½.
No. 79. 2701, Trap, Monson, 5 x 3½.
No. 80. 1950, Trap, (?) 5 x 4½.
No. 81. 170, Trap, Hadley, 5½ x 3.
No. 82. 140, Trap, Easthampton, 5½ x 3.
No. 83. 1668, Trap, Hadley, 5½ x 2½.
No. 84. 1948, Trap, (?) 6 x 3½.
No. 85. 1110, Trap, Pelham, 6 x 2.
No. 86. 1661, Trap, New England, 6 x 2½.
No. 87. 77, Trap, Deerfield, 6 x 3.
No. 88. 76, Trap, Deerfield, 6 x 3.
No. 89. 1949, Trap, (?) 6½ x 3.
No. 90. 1659, Trap, New England, 7 x 3½.

Description of Plate III continued.

- No. 91. 1951, Trap, (?) $8\frac{1}{2} \times 3\frac{1}{2}$.
No. 92. 736, Trap, Easthampton, $9\frac{1}{2} \times 4$.

WORN SPHERICAL STONES.

- No. 93. 2412, Granitic, Turners Falls, 4 in.
No. 94. 2475, Granite, Hadley, $3\frac{1}{2}$ in.
No. 95. 2420, Granite, New Haven, Conn., 3 in.
No. 96. 1887, Granite, (?) 3 in.
No. 97. 2329, Quartz, East Windsor, Conn., 2 in.
No. 98. 2963, Granite, Connecticut Valley, 2 in.
No. 99. 2516, Quartzite, Missouri, 2 in.
No. 100. 1881, Siliceous shale, Hadley, $2\frac{1}{4}$ in.
No. 101. 2330, Trap, Windsor, Conn., $1\frac{3}{4}$ in.

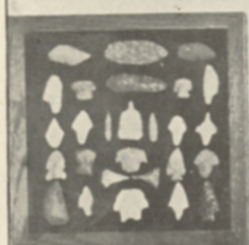
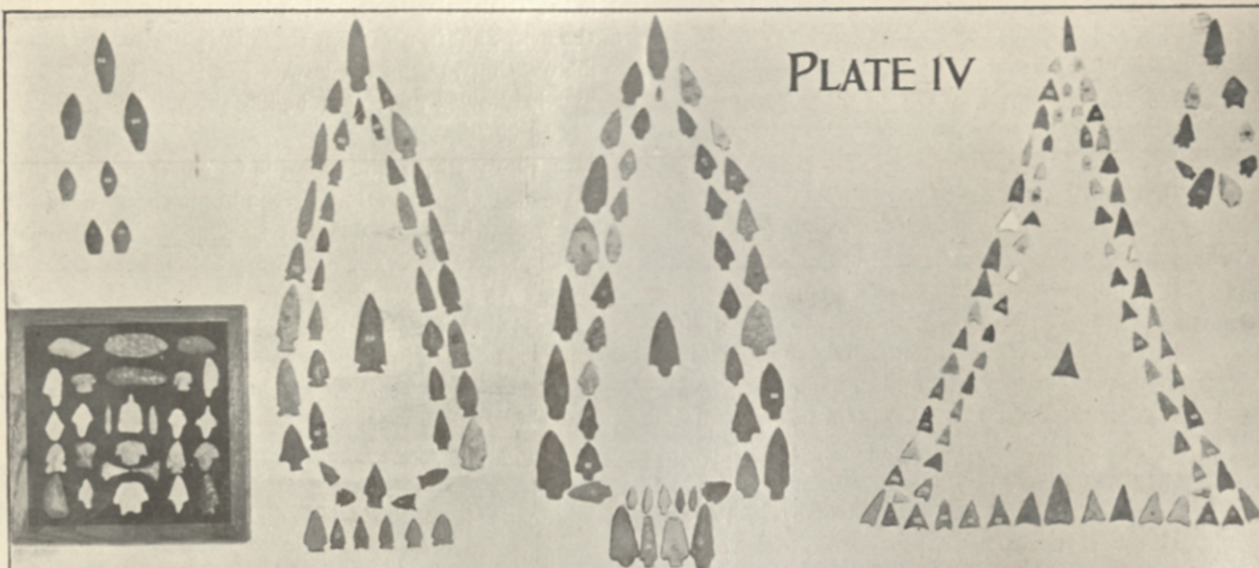
CIRCULAR GRINDING STONES.

- No. 102. (?) Trap (oval), (?) $7 \times 3\frac{1}{4} \times 1$.
No. 103. 1071, Porphyritic, Springfield, $4 \times 3 \times 1\frac{1}{2}$.
No. 104. 2783, Hornblende Rock, Woodstock, Conn., 3×1 .
No. 105. 72, Greenstone, Deerfield, 4×2 .
No. 106. 2881, A nether millstone of Trap(?) Both sides worn and hollowing, pentagonal
 9×2 , Springfield.

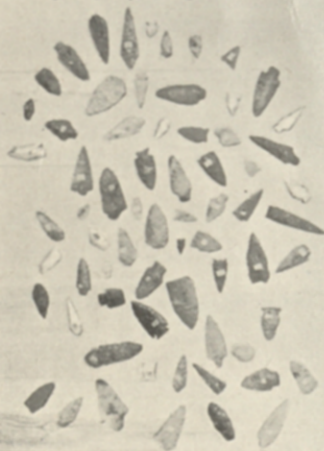
HATCHETS.

- No. 107. 1915, Trap, Hadley, $11 \times 5 \times 1\frac{1}{2}$.
No. 108. 1906, Serpentine, Wilbraham, $9 \times 4\frac{1}{2} \times 1\frac{1}{2}$.
No. 109. 1750, Trap, New England, $7\frac{1}{2} \times 4 \times 1\frac{1}{2}$.
No. 110. 2710, Trap, Whately, $8 \times 2\frac{1}{2} \times 1$.
No. 111. 1649, Rude Trap, New England, $8 \times 4 \times 1$.
No. 112. 1273, Rude Trap, Turners Falls, $8 \times 5\frac{1}{2} \times 1$.
No. 113. 942, Porphyry, finely finished, Essex, $6\frac{1}{2} \times 4 \times 1$.
No. 114. 2305, Trap, Portland, Conn., $6 \times 4 \times 1$.
No. 115. 1916, Trap, (?) $7 \times 5 \times 1$.
No. 116. 1679, Trap, (?) $5 \times 4 \times 1$.
No. 117. 1907, Igneous rock (smooth finish)? $5 \times 3 \times 1$.
No. 118. 1336, Trap (rude), Turners Falls, $5 \times 3\frac{1}{2} \times 1$.
No. 119. 142, Igneous rock, Haddam, Conn., $5 \times 3 \times 1\frac{1}{2}$.
No. 120. 351, Trap, Amherst, 5×4 .
No. 121. 66, Fine grained rock, Deerfield, $4 \times 3 \times 1$.
No. 122. 1665, Quartzite (very rude) Connecticut Valley, $4 \times 3 \times \frac{3}{4}$.

PLATE IV



Materials Arrowheads

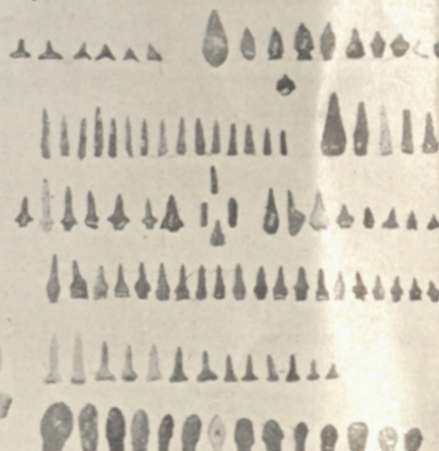


Forms & Arrowheads



Tools

Flint Knife - Bone Blade



Description of Plate IV.

Plate IV contains a simple grouping of Arrow Heads or Points, and the smaller tools of the early Indian.

The arrow head is the commonest relic found not only in New England but all over the world in primitive conditions, as it has been the weapon, before firearms were discovered, which has largely secured the food and clothing of the man, by furnishing skins, fur, (feathers) and meat.

And the form of arrow point most abundant is the triangular one, which is generally a flint chip, that is barely inserted into the soft end of the arrow shaft, and kept there only firmly enough to allow it to be forced through the skin by the elastic twang of the bow. For the disabling effect of the wound is more complete if the point is allowed to remain inside the game as an irritant, for a longer or shorter time.

The forms of arrow points with a haft or neck are those where the point is fastened to the shaft by a thong, or vegetable fibre, so that the arrow may be recovered by the huntsman.

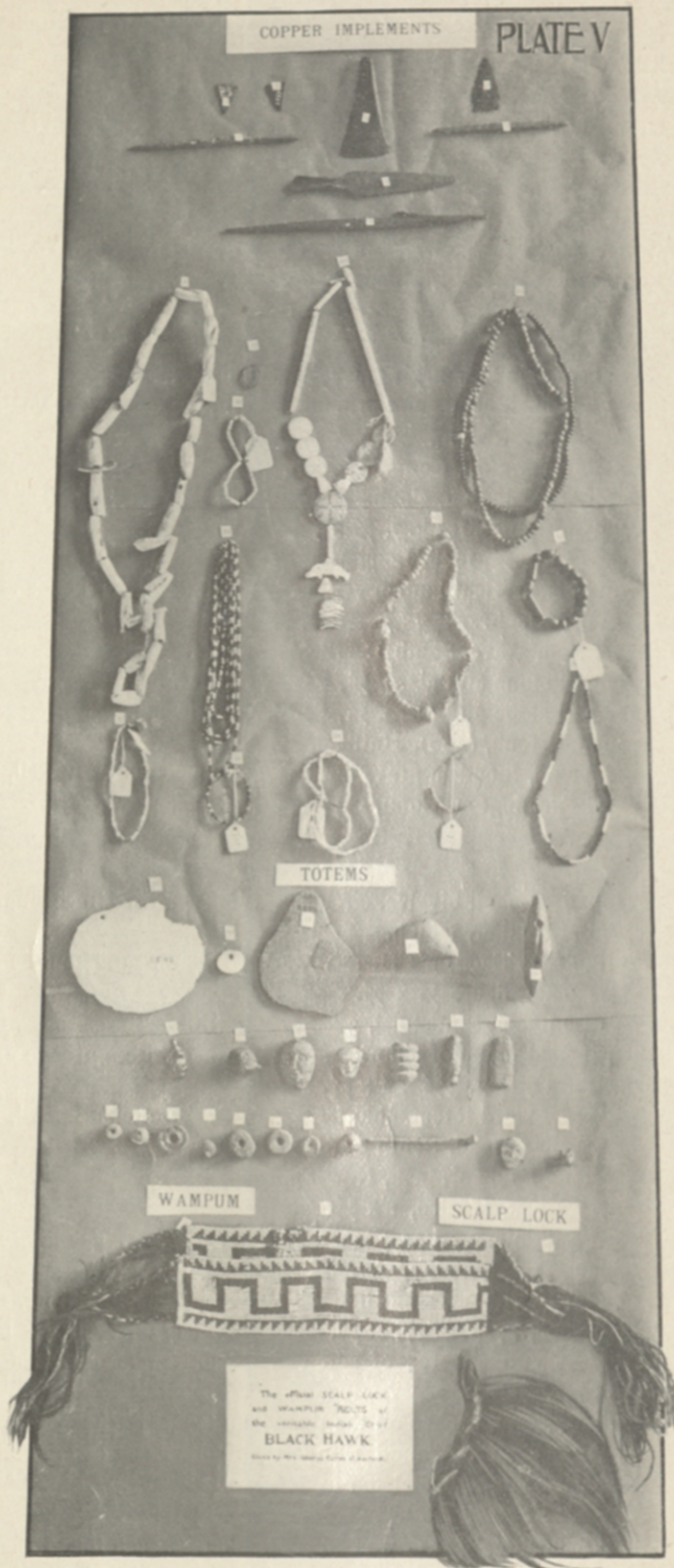
There are many forms of the small implements, about which the use may be somewhat uncertain. Some of the larger ones may have been scrapers, for dressing skins or finishing vessels of wood or stone or ceremonial objects. And the slender tapering ones no doubt served as awls or needles to punch holes for the sewing together of skins for shirts, leggins, moccasins, or tents. Some of them too were perhaps of use in drilling the stone ornaments, maces, gorgets, and pendants.

On the left of the Plate is a frame containing some thirty stone tools which were used by the modern Indian in his simple handicraft. These were procured from Missouri within the memory of living men.

The bone awl on the extreme right of the Plate is made from the Ulna (foreleg) of the Horse or the Deer.

COPPER IMPLEMENTS

PLATE V



TOTEMS

WAMPUM

SCALP LOCK

The official SCALP LOCK
and WAMPUM TAIL OF
the celebrated Indian, Chief
BLACK HAWK.
Given by Mrs. George F. Baker.

Description of Plate V.

COPPER IMPLEMENTS.

- No. 1. 2837, Arrow Point, $1\frac{1}{2} \times 1$, Springfield.
 No. 2. 2838, Arrow Point, $1\frac{1}{2} \times 1$, Springfield.
 No. 3. 1853, Hatchet, St. Lawrence Co., New York, $4\frac{1}{2} \times 2$, (tinkered?)
 No. 4. 2674, Arrow Point, $2\frac{1}{2} \times 1\frac{1}{4}$, Phelps, N. Y.
 No. 5. 2144, Square pointed cylinder, $6\frac{1}{2} \times 1\frac{1}{4}$, Holyoke burial place.
 No. 6. 2145, Same as last, 1 inch shorter.
 No. 7. 1851, Copper barbed cylindrical spear head, Brashear, N. Y., $10\frac{1}{2} \times \frac{1}{2}$.
 No. 8. 2380, Flattened spear head, Michigan, $6\frac{1}{2} \times 1$.

BEADS.

- No. 9. 2159, Bone beads, (40), $1 \times \frac{1}{4}$, graveyard, Holyoke.
 No. 10. 1694, Bone and shell beads and ornaments, (30), various sizes, lengths and shapes, Farmington, Conn.
 No. 11. 1182, Glass, Farmington, Conn., $\frac{1}{4}$ inch.
 No. 12. 1182, Copper, Farmington, Conn., $\frac{1}{16}$ inch.
 No. 13. 2803, Porcelain, Long Meadow, $\frac{1}{2} \times \frac{1}{8}$,
 No. 14. 1182, Glass, (200), $\frac{1}{8}$, inch, Longmeadow.
 No. 15. 2222, Two upper cervical human vertebrae and the copper beads around the neck, (75), $\frac{1}{2}$ inch.
 No. 16. 1802, Stone, from grave, South Deerfield, $\frac{1}{2} \times \frac{1}{4}$.
 No. 17. 1182, Bone and stone and glass, $\frac{1}{8}$, Farmington, Conn.
 No. 18. 1182, Bone and stone and glass, $\frac{1}{8}$, Farmington, Conn.
 No. 19. 2804, Bone and stone, (200), Hatfield, $\frac{1}{4} \times \frac{1}{8}$.
 No. 20. 2286, Small stone, found in grave on neck of a skeleton in Lowell, $\frac{1}{4} \times \frac{1}{8}$.
 No. 21. Beads, Farmington, Conn.

TOTEMS.

- No. 22. 2840, Of large sea shell bivalve, circular, 5 inches, grave in Springfield.
 No. 23. Same but smaller, 1 inch.
 No. 24. 2354, Bas Relief of Sachem's Head with feathers, on sandstone, Portland, Conn., size 5×4 , figure $\frac{1}{2} \times \frac{1}{2}$.
 No. 25. 1425, Porpoise totem, sandstone, $3 \times 2\frac{1}{2} \times 1$, Gill.
 No. 26. 2074, Boat-shaped totem of chlorite, finely finished with a groove and two orifices, as for a string, $3\frac{1}{2} \times 2 \times \frac{3}{4}$.
 No. 25. 1322, Turtle or Lizard totem, chlorite, $1\frac{1}{2} \times \frac{3}{4}$, Stratton's Island, Northfield.
 No. 28. 2430, Pottery Bird Head, South Carolina, 1 in.
 No. 29. 2098, Soapstone Human Mask, New England, 2×1 .
 No. 30. 2705, Pottery Mask, Mexico, $1 \times \frac{3}{4}$.
 No. 31. 149, Fossil Encrinite used as a totem or bead, $1\frac{1}{4} \times 1$, Tennessee.
 No. 32. 2850, Human Mask, Putnam, Conn., Soapstone, $1\frac{1}{2} \times \frac{3}{4}$.
 No. 33. 2075, Slate stone with markings like a Talley Board, Connecticut, $1\frac{3}{4} \times 1$.
 No. 34. 1042, 2804, 2808, 2723, 2807, 2896, 2847, 2848, 1750, small $\frac{1}{2}$ to 1 in. beads or circles and spheres of soft rock doubtless beads or totems, Springfield graves.
 No. 35. 705, A pin of bone, broken on the tip with a five sided head 4 inches long, and $\frac{1}{8}$ th in shank. Found with two others exact companion pieces on the breast bone of a skeleton in Bellows Falls, Vt.
 No. 44. 1200, Soapstone Mask, Hadley, (Hockanum), $1\frac{1}{4} \times \frac{3}{4}$.
 No. 45. 2673, Pottery head of dog or wolf from Hadley. When found the eyes were each represented by a transparent grain of quartz sand, Hadley.
 No. 46. Two Wampum Belts of Black Hawk and his scalp lock.



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